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Bibliographic data: KR 20020092190 (A)

COMPUTER TOMOGRAPHIC EQUIPMENT

Publication date: 2002-12-11
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Classification:
 - international: A61B6/03; G01N23/04; G06T11/00; (IPC1-7): A61B6/03
 - European: A61B6/03B12; G06T11/00T
Application number: KR20020029527 20020528
Priority number(s): JP20010166463 20010601

 • KR 100573919 (B1)
 • US 2002191736 (A1)
 • US 6798861 (B2)
 • TW 541418 (B)
 • JP 2002357567 (A)
 • more

Also published as:

Abstract of KR 20020092190 (A)

PURPOSE: To provide computer tomographic equipment for easily sampling three-dimensional data with high resolution over a wide region.

CONSTITUTION: By giving a continuous imaging command by setting a direction where a turntable 3 is moved, a visual field width FOV(z) of an X-ray detector 2 in the direction of the rotary axis of the turntable 3, and the number n of imaging, a tomographic image where data obtained by n imaging are reconfigured is obtained by repeating an imaging operation for collecting X-ray transmission data by rotating the turntable 3 and an operation for moving the turntable 3 only by FOV(z) in the set direction to obtain a continuous tomographic image even if a required region cannot be covered within a visual field by setting a high imaging magnification to obtain three-dimensional data with high resolution.

